

Figure 1: TOOL PRODUCTION PROCESSES

Traditional Process: Lengthy , requiring master

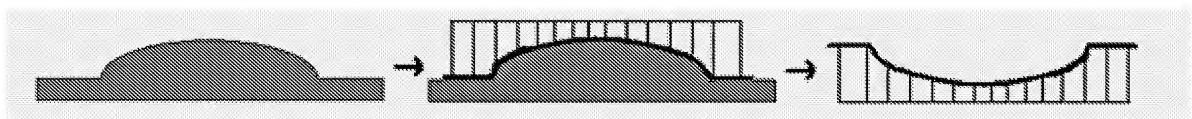
Boeing Process: Assembly using different adhesive and hand applied paddies

Present Invention: Streamlined process Using a machine dispensed curable paste

5 which is both adhesive and a machinable coating

Traditional process

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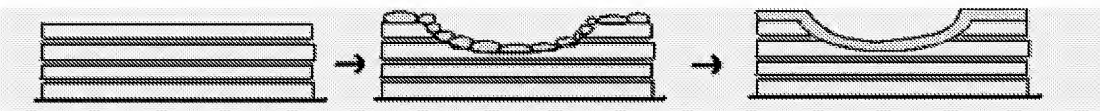
Mold made from boards
or SMP in normal
manner

Laminate applied with
backing structure

Laminated tool
produced

Boeing process

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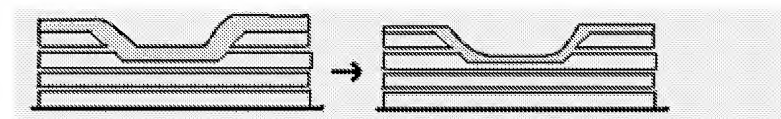


Honeycomb stacked
together and cured

Patties applied by hand
and cured

Patties cut to give final
tool

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New patent

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Honeycomb stacked and
stuck together with SMP

Part cured and then cut
to give final tool